



**FEDEX: 7734 6724 7514**

April 28, 2015

Ms. Jeanette DeBartolomeo  
Maryland Department of the Environment  
Oil Control Program  
1800 Washington Boulevard  
Baltimore, MD 21230

RE: First Quarter 2015 Groundwater Monitoring Report  
Southside Oil Facility #20025  
31 Heather Lane  
Perryville, Cecil County, Maryland  
MDE Case No. 2006-0489-CE

Dear Ms. DeBartolomeo:

Kleinfelder, on behalf of Southside Oil, LLC (Southside), is pleased to submit the Groundwater Monitoring Report (GMR) for activities performed during the First Quarter of 2015.

Please contact the undersigned if you have questions regarding the information contained herein.

Sincerely,

**KLEINFELDER**

Paxton Wertz  
Geologist

Mark Steele  
Senior Program Manager

Enclosure

cc: Ms. Devon Watts – Sunoco Inc. (ENFOS)



## FIRST QUARTER 2015 GROUNDWATER MONITORING REPORT

**Southside Facility #20025**  
**31 Heather Lane**  
**Perryville, Cecil County, Maryland**

### REGULATORY INFORMATION

Regulatory Agency:	Maryland Department of the Environment (MDE)
MDE Case No.:	2006-0489-CE
Agency Contact:	Ms. Jeannette DeBartolomeo
Current Case Status:	Quarterly groundwater and potable well sampling, and reporting
Reporting Period:	January 1 through March 31, 2015
Last Report:	Fourth Quarter Groundwater Monitoring Report, February 2015

### GENERAL SITE INFORMATION

Southside Oil Contact:	Ms. Devon Watts
Consultant Contact:	Mr. Mark Steele
Area Property Use:	See Local Area Map ( <b>Figure 1</b> )
Facility Status:	Active branded Exxon service station. Ownership and operation of the UST system was transferred from Exxon Mobil Corporation (ExxonMobil) to Southside Oil, LLC (Southside) on August 25, 2010.
Monitoring Wells:	MW-1 through MW-10D, MW-12 through MW-14, and BR-1
Tank Field Wells:	TF-1 through TF-3
Site Geology:	Clays, silts and sand
Groundwater Flow Direction:	Varied

## ACTIVITIES COMPLETED THIS PERIOD

### March 24, 2015 – Groundwater Gauging/Sampling

Wells Gauged and Sampled:	MW-2, MW-4, MW-5, MW-6, MW-10D, MW-12, MW-13, MW-14, BR-1, TF-1, TF-2 and TF-3
Liquid Phase Hydrocarbon:	None detected
Min./Max. Depth to Water (Monitoring Wells):	19.89 feet (MW-5) / 36.98 feet (MW-13)
Min./Max. Depth to Water (Tank Field):	Less than 1 foot (TF-3) / 2.25 feet (TF-1)
Hydraulic gradient:	0.064 feet / foot between MW-6 and MW-14
Groundwater Flow Direction:	Southeast

Groundwater samples were collected from certain monitoring wells and tank field wells on March 24, 2015 per the MDE approved sampling schedule. The samples were submitted to Lancaster Laboratories for analysis of full list volatile organic compounds (VOCs), ethanol and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B and total petroleum hydrocarbon – diesel range organics (TPH-DRO) using EPA Method 8015B. Monitoring and tank field well gauging data and groundwater analytical data are summarized in **Table 1** and depicted on **Figure 2**. The Lancaster Laboratories Analysis Report is included within **Appendix A**.

### March 24, 2015– Potable Well Sampling

Per the MDE's Site Status Letter dated July 30, 2013, the potable wells at 1825 Perryville Road and 1836 Perryville Road were sampled on March 24, 2015. The water samples were submitted under chain of custody protocol to Lancaster Laboratories for analysis of full list VOCs and fuel oxygenates using EPA Method 524.2. A local area map showing the locations of potable wells is included as **Figure 1**. The results of the potable well sampling are summarized in **Table 2**. The Lancaster Laboratories Analysis Reports for potable well sampling activities are included as **Appendix B**.

Methyl tertiary butyl ether was detected at concentrations of 5.2 micrograms per liter ( $\mu\text{g}/\text{L}$ ) and 10  $\mu\text{g}/\text{L}$  in the 1836 Perryville Road and 1825 Perryville Road PI potable well samples, respectively. Stable to decreasing MTBE trends are observed in both potable wells and the MTBE concentrations in the samples collected from the potable well at 1825 Perryville Road have been below the MDE action level of 20  $\mu\text{g}/\text{L}$  since March 2012.

### **ACTIVITIES PLANNED FOR NEXT PERIOD (SECOND QUARTER 2015)**

Activities planned for the Second Quarter 2015 include one round of groundwater gauging and sampling of the monitoring well network and tank field wells, and sampling of the potable wells at 1825 Perryville Road and 1836 Perryville Road.

### **LIMITATIONS**

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

### **FIGURES**

- 1 Local Area Map with Potable Well Sample Locations
- 2 Hydrocarbon Distribution/Groundwater Contour Map (March 24, 2015)

### **TABLES**

- 1 Groundwater Monitoring & Analytical Data
- 2 Potable Well Sampling Analytical Data

## APPENDICES

- A Lancaster Laboratories Analysis Report: Monitoring Wells  
(March 24, 2015)
- B Lancaster Laboratories Analysis Reports: Potable Wells  
(March 24, 2015)

Sincerely,

**KLEINFELDER**



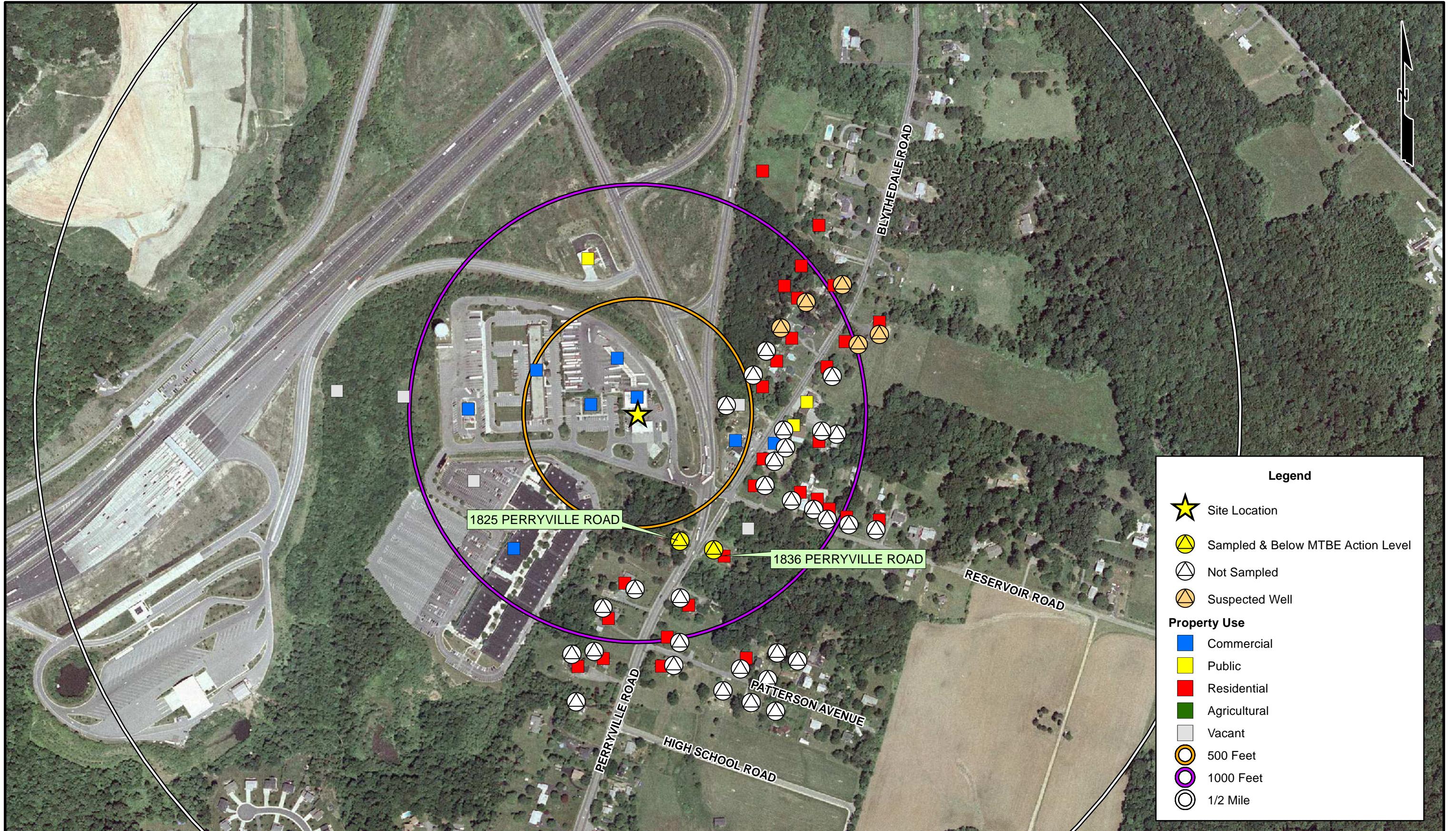
Paxton Wertz  
Geologist



Mark Steele  
Senior Program Manager

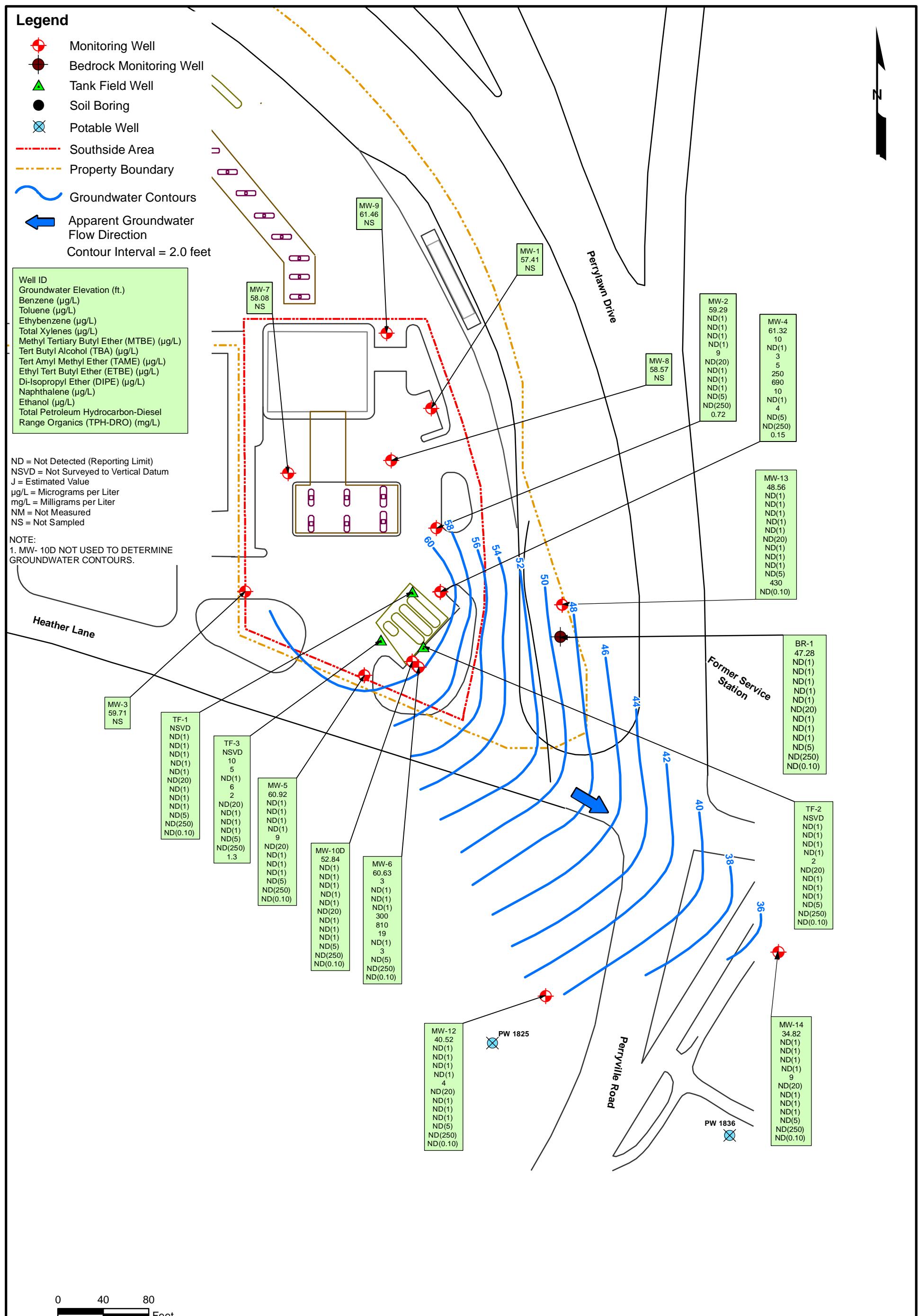
## FIGURES

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PROJECT NO.	1138
DRAWN:	4/20/
DRAWN BY:	.
CHECKED BY:	P
FILE NAME:	2025 HD MAP.mxd

**HYDROCARBON DISTRIBUTION/  
GROUNDWATER CONTOUR MAP**  
**MARCH 24, 2015**

SOUTHSIDE FACILITY # 20025  
31 HEATHER LANE  
PERRYVILLE, CECIL COUNTY, MARYLAND

**FIGURE**

2

## TABLES

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**Table 1**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
BR-1	9/18/2013	83.23	36.92	ND	ND	46.31	ND(5)	ND(5)	ND(5)	ND(5)	59	120	ND(5)	ND(5)	ND(5)	ND(5)	0.64	0.064	ND(250)	
	12/12/2013	83.23	36.31	ND	ND	46.92	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	83.23	35.77	ND	ND	47.46	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	83.23	35.41	ND	ND	47.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	83.23	35.69	ND	ND	47.54	1	ND(1)	ND(1)	ND(1)	230	660	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	*
	10/15/2014	83.23	35.79	ND	ND	47.44	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	NA	
	12/8/2014	83.23	35.90	ND	ND	47.33	ND(1)	ND(1)	ND(1)	ND(1)	10	24	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	83.23	35.95	ND	ND	47.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
 Southside Facility #20025  
 31 Heather Lane  
 Perryville, Maryland  
 August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-1	8/15/2005	89.87	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/17/2006	89.87	32.55	ND	ND	57.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	8/16/2006	89.87	33.13	ND	ND	56.74	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(0.20)	NA	
	2/28/2007	89.87	32.20	ND	ND	57.67	2.9	0.62	29.2	59.4	0.38	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	4.8	0.231	0.424	NA
	6/7/2007	89.87	31.95	ND	ND	57.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.86 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/2/2007	89.87	33.18	ND	ND	56.69	2.8	0.39 J	18.8	19.8	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	6.7	ND(0.10)	ND(0.20)	NA	
	3/27/2008	89.87	33.16	ND	ND	56.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(0.20)	NA	
	9/24/2008	89.87	33.22	ND	ND	56.65	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(0.20)	NA	
	3/23/2009	89.87	33.92	ND	ND	55.95	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(0.20)	NA	
	9/5/2009	89.87	33.19	ND	ND	56.68	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.220	ND(0.20)	NA	
	1/26/2010	89.87	32.04	ND	ND	57.83	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/7/2010	89.87	32.11	ND	ND	57.76	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.11	ND(0.05)	NA	
	4/14/2011	89.87	32.46	ND	ND	57.41	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	9/10/2011	89.87	32.87	ND	ND	57.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.36	ND(0.050)	NA	
	12/8/2011	89.87	32.12	ND	ND	57.75	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(400)	ND(25)	ND(25)	ND(25)	ND(25)	2.4	ND(0.25)	NA	
	3/27/2012	89.87	32.33	ND	ND	57.54	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.30	ND(0.050)	NA	
	6/11/2012	89.87	33.02	ND	ND	56.85	ND(5)	ND(5)	6	38	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	55	NA	0.48	NA
	8/29/2012	89.87	33.47	ND	ND	56.40	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	11/17/2012	89.87	33.62	ND	ND	56.25	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	4/5/2013	89.87	33.81	ND	ND	56.06	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/21/2013	89.87	33.57	ND	ND	56.30	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)
	9/18/2013	89.87	32.51	ND	ND	57.36	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	12/12/2013	89.87	32.75	ND	ND	57.12	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	89.87	32.03	ND	ND	57.84	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	9900
	4/18/2014	89.87	32.51	ND	ND	57.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	ND(250)
	6/30/2014	89.87	32.03	ND	ND	57.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	9/22/2014	89.87	32.17	ND	ND	57.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2014	89.87	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-1	3/24/2015	89.87	32.46	ND	ND	57.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
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 August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-2	8/15/2005	86.17	27.09	ND	ND	59.08	ND	ND	ND	ND	880	NA	NA	NA	NA	NA	NA	NA	NA
	3/17/2006	86.17	26.45	ND	ND	59.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	528	ND(25)	27.6	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	0.560	NA
	8/16/2006	86.17	27.12	ND	ND	59.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	12.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	2/28/2007	86.17	26.82	ND	ND	59.35	6.7	1.2	54.1	120	33.0	ND(25)	1.3	ND(5.0)	ND(5.0)	8.8	0.320	0.878	NA
	6/7/2007	86.17	28.91	ND	ND	57.26	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	14.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.219	ND(0.20)	NA
	10/2/2007	86.17	27.23	ND	ND	58.94	1.2	0.22 J	8.4	9.3	13.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	3.1 J	ND(0.10)	ND(0.20)	NA
	3/27/2008	86.17	26.59	ND	ND	59.58	ND(1.0)	ND(1.0)	ND(1.0)	0.46	40.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.213	ND(0.20)	NA
	9/24/2008	86.17	27.12	ND	ND	59.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	3/23/2009	86.17	26.84	ND	ND	59.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.294	ND(0.20)	NA
	9/5/2009	86.17	26.91	ND	ND	59.26	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	1/26/2010	86.17	26.73	ND	ND	59.44	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	86.17	26.80	ND	ND	59.37	ND(5)	ND(5)	ND(5)	ND(5)	20	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.23	ND(0.05)	NA
	4/14/2011	86.17	26.66	ND	ND	59.51	ND(5)	ND(5)	ND(5)	ND(5)	110	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.28	0.10	NA
	9/10/2011	86.17	26.86	ND	ND	59.31	ND(5)	ND(5)	ND(5)	ND(5)	39	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.13	ND(0.050)	NA
	12/8/2011	86.17	26.74	ND	ND	59.43	ND(5)	ND(5)	ND(5)	ND(5)	59	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	0.062	NA
	3/27/2012	86.17	26.71	ND	ND	59.46	ND(5)	ND(5)	ND(5)	ND(5)	26	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.68	ND(0.050)	NA
	6/11/2012	86.17	26.81	ND	ND	59.36	ND(5)	ND(5)	ND(5)	ND(5)	17	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.53	ND(0.050)	NA
	8/29/2012	86.17	27.03	ND	ND	59.14	ND(5)	ND(5)	ND(5)	ND(5)	11	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.0	ND(0.050)	NA
	11/17/2012	86.17	27.01	ND	ND	59.16	ND(5)	ND(5)	ND(5)	ND(5)	17	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.33	ND(0.050)	ND(250)
	4/5/2013	86.17	26.36	ND	ND	59.81	ND(5)	ND(5)	ND(5)	ND(5)	15	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.79	ND(0.050)	ND(250)
	6/21/2013	86.17	26.66	ND	ND	59.51	ND(5)	ND(5)	ND(5)	ND(5)	11	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.59	ND(0.050)	ND(250)
	9/18/2013	86.17	26.85	ND	ND	59.32	ND(5)	ND(5)	ND(5)	ND(5)	9	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.83	ND(0.050)	ND(250)
	12/12/2013	86.17	26.52	ND	ND	59.65	ND(5)	ND(5)	ND(5)	ND(5)	13	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.48	ND(0.050)	ND(250)
	3/20/2014	86.17	26.37	ND	ND	59.80	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	7.7	ND(0.050)	ND(250)
	6/30/2014	86.17	26.75	ND	ND	59.42	ND(1)	ND(1)	ND(1)	ND(1)	11	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.1	ND(0.050)	ND(250)
	9/22/2014	86.17	26.92	ND	ND	59.25	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.29	NA	ND(250)
	12/8/2014	86.17	26.57	ND	ND	59.60	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	86.17	26.88	ND	ND	59.29	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.72	NA	ND(250)

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
 Southside Facility #20025  
 31 Heather Lane  
 Perryville, Maryland  
 August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-3	8/15/2005	84.83	25.89	ND	ND	58.94	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	
	3/17/2006	84.83	27.15	ND	ND	57.68	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	8/16/2006	84.83	26.75	ND	ND	58.08	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.18)	ND(0.20)	NA	
	2/28/2007	84.83	25.65	ND	ND	59.18	6.8	1.1	43.1	94.9	0.91 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.6	0.395	0.765	NA
	6/7/2007	84.83	25.49	ND	ND	59.34	0.87 J	ND(1.0)	9.3	13.7	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.5 J	ND(0.10)	ND(0.20)	NA
	10/2/2007	84.83	27.44	ND	ND	57.39	5.7	0.65	36.7	40.5	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	14.4	2.22	ND(0.20)	NA
	3/27/2008	84.83	27.69	ND	ND	57.14	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.219	ND(0.20)	NA
	9/24/2008	84.83	27.37	ND	ND	57.46	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	3/23/2009	84.83	29.06	ND	ND	55.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	9/5/2009	84.83	27.50	ND	ND	57.33	2.4	0.50	ND(1.0)	0.62	0.60	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.5	ND(0.10)	ND(0.20)	NA
	1/26/2010	84.83	24.26	ND	ND	60.57	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/7/2010	84.83	24.36	ND	ND	60.47	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.05)	NA	
	4/14/2011	84.83	25.43	ND	ND	59.40	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	9/10/2011	84.83	24.25	ND	ND	60.58	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.1	ND(0.050)	NA	
	12/8/2011	84.83	20.16	ND	ND	64.67	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	3/27/2012	84.83	26.44	ND	ND	58.39	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.18	ND(0.050)	NA	
	6/11/2012	84.83	22.05	ND	ND	62.78	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.21	ND(0.050)	NA	
	8/29/2012	84.83	27.18	ND	ND	57.65	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.17	ND(0.050)	NA	
	11/17/2012	84.83	27.99	ND	ND	56.84	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)	
	4/5/2013	84.83	28.03	ND	ND	56.80	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.26	ND(0.050)	ND(250)	
	6/21/2013	84.83	27.12	ND	ND	57.71	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)	
	9/18/2013	84.83	25.88	ND	ND	58.95	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)	
	12/12/2013	84.83	25.76	ND	ND	59.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	84.83	25.07	ND	ND	59.76	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	84.83	24.60	ND	ND	60.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	84.83	24.92	ND	ND	59.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2014	84.83	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2015	84.83	25.12	ND	ND	59.71	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-4	6/7/2007	84.65	23.11	ND	ND	61.54	16.9	10.7	ND(20)	ND(20)	2640	7300	90.0	ND(100)	14.3	ND(100)	ND(0.10)	2.14	NA
	10/2/2007	84.65	23.89	ND	ND	60.76	27.3	9.1	3.2	9.0	3500	8570	117	3.8	17.5	ND(25)	ND(0.10)	4.51	NA
	3/27/2008	84.65	24.47	ND	ND	60.18	36.3	8.8	2.0	5.0	2760	6560	103	2.8	19.0	ND(5.0)	ND(0.10)	2.89	NA
	9/24/2008	84.65	23.71	ND	ND	60.94	30.1	4.9	3.1	10.8	2020	7520	74.0	4.6	16.8	ND(25)	ND(0.10)	3.53	NA
	3/23/2009	84.65	24.16	ND	ND	60.49	24.6	2.0	3.4	7.2	1870	6940	62.7	5.3	16.4	ND(13)	ND(0.10)	2.48	NA
	9/5/2009	84.65	24.07	ND	ND	60.58	31.2	0.99	5.0	9.6	1240	4920	44.6	5.0	16.8	ND(5.0)	ND(0.10)	1.73	NA
	1/26/2010	84.65	23.40	ND	ND	61.25	29.6	1.2	8.8	13.1	826	3890	32.9	5.2	17.8	ND(5.0)	ND(0.10)	1.20	NA
	10/7/2010	84.65	23.80	ND	ND	60.85	27	ND(5)	12	30	510	2300	25	ND(5)	14	ND(5)	0.31	0.68	NA
	4/14/2011	84.65	22.93	ND	ND	61.72	19	ND(5)	8	23	360	1500	17	ND(5)	10	ND(5)	0.25	0.60	NA
	9/10/2011	84.65	23.16	ND	ND	61.49	20	ND(5)	9	24	310	1200	16	ND(5)	11	ND(5)	ND(0.095)	0.55	NA
	12/8/2011	84.65	23.26	ND	ND	61.39	20	ND(5)	7	18	470	1700	23	ND(5)	10	ND(5)	ND(1.0)	0.70	NA
	3/27/2012	84.65	22.40	ND	ND	62.25	16	ND(5)	7	17	320	1000	17	ND(5)	9	ND(5)	0.37	0.51	NA
	6/11/2012	84.65	22.00	ND	ND	62.65	17	ND(5)	7	21	370	1300	17	ND(5)	8	ND(5)	0.24	0.48	NA
	8/29/2012	84.65	22.72	ND	ND	61.93	18	ND(5)	7	19	410	1500	19	ND(5)	8	ND(5)	0.21	0.71	NA
	11/17/2012	84.65	22.61	ND	ND	62.04	19	ND(5)	7	20	290	1100	16	ND(5)	8	ND(5)	0.20	0.42	ND(250)
	4/5/2013	84.65	22.92	ND	ND	61.73	13	ND(5)	ND(5)	5	270	800	12	ND(5)	6	ND(5)	0.45	0.35	ND(250)
	6/21/2013	84.65	22.52	ND	ND	62.13	14	ND(5)	ND(5)	7	280	1100	14	ND(5)	6	ND(5)	0.26	0.40	ND(250)
	9/18/2013	84.65	22.24	ND	ND	62.41	14	ND(5)	ND(5)	6	280	990	14	ND(5)	6	ND(5)	0.49	0.48	ND(250)
	12/12/2013	84.65	23.06	ND	ND	61.59	13	ND(5)	ND(5)	ND(5)	280	1000	13	ND(5)	5	ND(5)	ND(0.10)	0.38	ND(250)
	3/20/2014	84.65	21.76	ND	ND	62.89	11	ND(5)	ND(5)	ND(5)	220	690	11	ND(5)	ND(5)	ND(5)	0.12	0.34	ND(250)
	6/30/2014	84.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	9/22/2014	84.65	22.61	ND	ND	62.04	12	ND(1)	5	4	250	830	11	1	5	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	84.65	23.32	ND	ND	61.33	12	ND(1)	4	4	250	730	13	1	5	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	84.65	23.33	ND	ND	61.32	10	ND(1)	3	5	250	690	10	ND(1)	4	ND(5)	0.15	NA	ND(250)

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-5	6/7/2007	80.81	18.50	ND	ND	62.31	0.52 J	ND(1.0)	9.0	12.5	86.3	ND(25)	1.3 J	ND(5.0)	ND(5.0)	1.6 J	ND(0.10)	ND(0.20)	NA	
	10/2/2007	80.81	19.24	ND	ND	61.57	1.2	ND(1.0)	10.3	11.2	3.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	6.2	ND(0.10)	ND(0.20)	NA	
	3/27/2008	80.81	19.62	ND	ND	61.19	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	9/24/2008	80.81	19.10	ND	ND	61.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	24.6	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	3/23/2009	80.81	20.02	ND	ND	60.79	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	9/5/2009	80.81	19.01	ND	ND	61.80	0.81	ND(1.0)	ND(1.0)	0.36	1.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	1.7	ND(0.10)	ND(0.20)	NA	
	1/26/2010	80.81	19.03	ND	ND	61.78	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.2	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/7/2010	80.81	19.09	ND	ND	61.72	ND(5)	ND(5)	ND(5)	ND(5)	59	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	0.063	NA	
	4/14/2011	80.81	18.80	ND	ND	62.01	ND(5)	ND(5)	ND(5)	ND(5)	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.15	ND(0.050)	NA	
	9/10/2011	80.81	18.79	ND	ND	62.02	ND(5)	ND(5)	ND(5)	ND(5)	110	290	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	0.11	NA	
	12/8/2011	80.81	18.91	ND	ND	61.90	ND(5)	ND(5)	ND(5)	ND(5)	51	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	0.056	NA	
	3/27/2012	80.81	18.62	ND	ND	62.19	ND(5)	ND(5)	ND(5)	ND(5)	49	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	0.054	NA	
	6/11/2012	80.81	18.35	ND	ND	62.46	ND(5)	ND(5)	ND(5)	ND(5)	270	190	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	0.15	NA	
	8/29/2012	80.81	18.32	ND	ND	62.49	ND(5)	ND(5)	ND(5)	ND(5)	38	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	11/17/2012	80.81	19.31	ND	ND	61.50	ND(5)	ND(5)	ND(5)	ND(5)	38	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)	
	4/5/2013	80.81	19.52	ND	ND	61.29	ND(5)	ND(5)	ND(5)	ND(5)	10	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	6/21/2013	80.81	19.05	ND	ND	61.76	ND(5)	ND(5)	ND(5)	ND(5)	10	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	9/18/2013	80.81	18.71	ND	ND	62.10	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	12/12/2013	80.81	19.33	ND	ND	61.48	ND(5)	ND(5)	ND(5)	ND(5)	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	80.81	18.19	ND	ND	62.62	ND(5)	ND(5)	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	5.6	ND(0.050)	ND(250)	
	6/30/2014	80.81	18.52	ND	ND	62.29	ND(1)	ND(1)	ND(1)	ND(1)	78	140	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	0.064	ND(250)	
	9/22/2014	80.81	18.98	ND	ND	61.83	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/8/2014	80.81	19.58	ND	ND	61.23	ND(1)	ND(1)	ND(1)	ND(1)	35	57	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	80.81	19.89	ND	ND	60.92	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-6	9/5/2009	83.74	22.05	ND	ND	61.69	2.7	0.39	ND(1.0)	0.35	560	1220	13.7	ND(5.0)	1.1	ND(5.0)	ND(0.10)	0.730	NA	
	1/26/2010	83.74	23.93	ND	ND	59.81	1.1	ND(1.0)	ND(1.0)	ND(1.0)	894	1930	29.3	ND(5.0)	2.7	ND(5.0)	ND(0.10)	0.888	NA	
	10/7/2010	83.74	23.30	ND	ND	60.44	ND(5)	ND(5)	ND(5)	ND(5)	970	2400	32	ND(5)	ND(5)	ND(5)	ND(0.095)	0.73	NA	
	4/14/2011	83.74	23.14	ND	ND	60.60	ND(10)	ND(10)	ND(10)	ND(10)	950	2600	45	ND(10)	ND(10)	ND(10)	ND(0.095)	1.0	NA	
	9/10/2011	83.74	22.25	ND	ND	61.49	ND(5)	ND(5)	ND(5)	ND(5)	240	670	11	ND(5)	ND(5)	ND(5)	ND(1.0)	0.24	NA	
	12/8/2011	83.74	22.15	ND	ND	61.59	ND(5)	ND(5)	ND(5)	ND(5)	340	1100	16	ND(5)	ND(5)	ND(5)	ND(1.0)	0.40	NA	
	3/27/2012	83.74	21.84	ND	ND	61.90	ND(5)	ND(5)	ND(5)	ND(5)	360	990	18	ND(5)	ND(5)	ND(5)	ND(0.096)	0.35	NA	
	6/11/2012	83.74	21.87	ND	ND	61.87	ND(5)	ND(5)	ND(5)	ND(5)	410	1300	22	ND(5)	ND(5)	ND(5)	ND(0.096)	0.34	NA	
	8/29/2012	83.74	21.93	ND	ND	61.81	ND(5)	ND(5)	ND(5)	ND(5)	190	510	9	ND(5)	ND(5)	ND(5)	ND(0.095)	0.22	NA	
	11/17/2012	83.74	22.55	ND	ND	61.19	ND(5)	ND(5)	ND(5)	ND(5)	190	550	9	ND(5)	ND(5)	ND(5)	ND(0.096)	0.16	ND(250)	
	4/5/2013	83.74	23.06	ND	ND	60.68	ND(5)	ND(5)	ND(5)	ND(5)	230	630	11	ND(5)	ND(5)	ND(5)	ND(0.095)	0.25	ND(250)	
	6/21/2013	83.74	22.19	ND	ND	61.55	ND(5)	ND(5)	ND(5)	ND(5)	220	790	13	ND(5)	ND(5)	ND(5)	ND(0.095)	0.24	ND(250)	
	9/18/2013	83.74	21.93	ND	ND	61.81	ND(5)	ND(5)	ND(5)	ND(5)	180	550	10	ND(5)	ND(5)	ND(5)	ND(0.096)	0.23	ND(250)	
	12/12/2013	83.74	22.60	ND	ND	61.14	ND(5)	ND(5)	ND(5)	ND(5)	200	610	10	ND(5)	ND(5)	ND(5)	ND(0.10)	0.18	ND(250)	
	3/20/2014	83.74	21.44	ND	ND	62.30	ND(5)	ND(5)	ND(5)	ND(5)	320	950	18	ND(5)	ND(5)	ND(5)	ND(0.10)	0.30	ND(250)	
	6/30/2014	83.74	22.45	ND	ND	61.29	ND(1)	ND(1)	ND(1)	ND(1)	100	250	5	ND(1)	ND(1)	ND(5)	ND(0.10)	0.090	ND(250)	
	9/22/2014	83.74	22.85	ND	ND	60.89	2	ND(1)	ND(1)	ND(1)	200	510	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	
	12/8/2014	83.74	22.55	ND	ND	61.19	3	ND(1)	ND(1)	ND(1)	290	720	17	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	83.74	23.11	ND	ND	60.63	3	ND(1)	ND(1)	ND(1)	300	810	19	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-7	9/5/2009	87.56	38.47	ND	ND	49.09	2.1	0.42	ND(1.0)	0.44	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	1.5	0.246	ND(0.20)	NA
	1/26/2010	87.56	29.79	ND	ND	57.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	87.56	28.33	ND	ND	59.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.14	ND(0.05)	NA
	4/14/2011	87.56	29.42	ND	ND	58.14	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	9/10/2011	87.56	30.35	ND	ND	57.21	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.16	ND(0.050)	NA
	12/8/2011	87.56	29.75	ND	ND	57.81	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	3/27/2012	87.56	30.07	ND	ND	57.49	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	NA
	6/11/2012	87.56	30.91	ND	ND	56.65	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.098)	ND(0.050)	NA
	8/29/2012	87.56	31.48	ND	ND	56.08	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	11/17/2012	87.56	31.71	ND	ND	55.85	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	4/5/2013	87.56	31.82	ND	ND	55.74	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)
	6/21/2013	87.56	31.35	ND	ND	56.21	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	9/18/2013	87.56	30.05	ND	ND	57.51	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)
	12/12/2013	87.56	30.77	ND	ND	56.79	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	87.56	29.59	ND	ND	57.97	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/30/2014	87.56	29.47	ND	ND	58.09	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	9/22/2014	87.56	29.60	ND	ND	57.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/2014	87.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/24/2015	87.56	29.48	ND	ND	58.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-8	9/5/2009	87.77	30.00	ND	ND	57.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	1/26/2010	87.77	29.39	ND	ND	58.38	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	87.77	28.56	ND	ND	59.21	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.05)	NA
	4/14/2011	87.77	29.40	ND	ND	58.37	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	9/10/2011	87.77	29.58	ND	ND	58.19	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	12/8/2011	87.77	29.44	ND	ND	58.33	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	3/27/2012	87.77	29.61	ND	ND	58.16	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	6/11/2012	87.77	29.70	ND	ND	58.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	8/29/2012	87.77	29.77	ND	ND	58.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	11/17/2012	87.77	29.81	ND	ND	57.96	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	4/5/2013	87.77	30.13	ND	ND	57.64	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.13	ND(0.050)	ND(250)
	6/21/2013	87.77	29.82	ND	ND	57.95	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	9/18/2013	87.77	29.51	ND	ND	58.26	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)
	12/12/2013	87.77	29.70	ND	ND	58.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	87.77	28.98	ND	ND	58.79	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	8.4	ND(0.050)	ND(250)
	4/18/2014	87.77	29.54	ND	ND	58.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	ND(250)
	6/30/2014	87.77	29.42	ND	ND	58.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	9/22/2014	87.77	29.41	ND	ND	58.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	87.77	29.60	ND	ND	58.17	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	87.77	29.20	ND	ND	58.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-9	9/5/2009	89.05	30.63	ND	ND	58.42	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	1/26/2010	89.05	27.48	ND	ND	61.57	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.66	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	89.05	27.56	ND	ND	61.49	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.05)	NA
	4/14/2011	89.05	26.93	ND	ND	62.12	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	9/10/2011	89.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/29/2011	89.05	28.91	ND	ND	60.14	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	12/8/2011	89.05	27.05	ND	ND	62.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	3/27/2012	89.05	27.39	ND	ND	61.66	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	6/11/2012	89.05	27.55	ND	ND	61.50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	NA
	8/29/2012	89.05	27.55	ND	ND	61.50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	11/17/2012	89.05	27.72	ND	ND	61.33	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	4/5/2013	89.05	27.93	ND	ND	61.12	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)
	6/21/2013	89.05	27.86	ND	ND	61.19	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)
	9/18/2013	89.05	27.34	ND	ND	61.71	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)
	12/12/2013	89.05	27.39	ND	ND	61.66	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	89.05	26.85	ND	ND	62.20	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	7700
	4/18/2014	89.05	28.01	ND	ND	61.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	ND(250)
	6/30/2014	89.05	27.61	ND	ND	61.44	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.45	ND(0.050)	ND(250)
	9/22/2014	89.05	27.84	ND	ND	61.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/2014	89.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/24/2015	89.05	27.59	ND	ND	61.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments		
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)		
MW-10D	9/10/2011	82.61	28.18	ND	ND	54.43	ND(5)	ND(5)	ND(5)	ND(5)	26	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.0	0.077	NA		
	12/8/2011	82.61	26.77	ND	ND	55.84	ND(5)	ND(5)	ND(5)	ND(5)	75	230	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	2.1	0.084	NA	
	3/27/2012	82.61	28.15	ND	ND	54.46	ND(5)	ND(5)	ND(5)	ND(5)	400	980	20	ND(5)	ND(5)	ND(5)	ND(5)	0.97	0.38	NA	
	6/11/2012	82.61	28.69	ND	ND	53.92	ND(5)	ND(5)	ND(5)	ND(5)	140	350	6	ND(5)	ND(5)	ND(5)	ND(5)	0.13	0.080	NA	
	8/29/2012	82.61	29.31	ND	ND	53.30	ND(5)	ND(5)	ND(5)	ND(5)	420	1300	21	ND(5)	ND(5)	ND(5)	ND(5)	0.26	0.57	NA	
	11/17/2012	82.61	29.00	ND	ND	53.61	ND(5)	ND(5)	ND(5)	ND(5)	350	1300	18	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	0.33	ND(250)	
	4/5/2013	82.61	30.80	ND	ND	51.81	ND(5)	ND(5)	ND(5)	ND(5)	93	240	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	0.23	0.19	ND(250)	
	6/21/2013	82.61	30.30	ND	ND	52.31	ND(5)	ND(5)	ND(5)	ND(5)	320	1200	18	ND(5)	ND(5)	ND(5)	ND(5)	0.51	0.37	ND(250)	
	9/18/2013	82.61	29.32	ND	ND	53.29	ND(5)	ND(5)	ND(5)	ND(5)	270	880	14	ND(5)	ND(5)	ND(5)	ND(5)	0.18	0.26	ND(250)	
	12/12/2013	82.61	29.32	ND	ND	53.29	ND(5)	ND(5)	ND(5)	ND(5)	37	100	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	0.074	ND(250)	
	3/20/2014	82.61	28.82	ND	ND	53.79	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)		
	6/30/2014	82.61	29.33	ND	ND	53.28	2	ND(1)	ND(1)	ND(1)	280	790	15	ND(1)	2	ND(5)	ND(0.10)	0.24	ND(250)		
	9/22/2014	82.61	29.44	ND	ND	53.17	1	ND(1)	ND(1)	ND(1)	210	590	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)		
	12/8/2014	82.61	29.06	ND	ND	53.55	2	ND(1)	ND(1)	ND(1)	300	890	18	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)		
	3/24/2015	82.61	29.77	ND	ND	52.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-12	9/10/2011	70.57	30.52	ND	ND	40.05	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	12/16/2011	70.57	30.77	ND	ND	39.80	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	3/27/2012	70.57	30.76	ND	ND	39.81	ND(5)	ND(5)	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	6/11/2012	70.57	30.97	ND	ND	39.60	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	8/29/2012	70.57	31.75	ND	ND	38.82	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	11/17/2012	70.57	32.56	ND	ND	38.01	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	4/5/2013	70.57	33.02	ND	ND	37.55	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.40	ND(0.050)	ND(250)	
	6/21/2013	70.57	31.31	ND	ND	39.26	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.099)	ND(0.050)	ND(250)	
	9/18/2013	70.57	31.03	ND	ND	39.54	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)	
	12/12/2013	70.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/20/2014	70.57	30.54	ND	ND	40.03	ND(5)	ND(5)	ND(5)	ND(5)	16	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	70.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible	
	9/22/2014	70.57	30.82	ND	ND	39.75	ND(1)	ND(1)	ND(1)	ND(1)	160	510	8	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	*
	10/15/2014	70.57	30.11	ND	ND	40.46	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	NA	
	12/8/2014	70.57	31.00	ND	ND	39.57	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	70.57	30.05	ND	ND	40.52	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
MW-13	4/5/2013	85.54	37.45	ND	ND	48.09	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	ND(250)	
	6/21/2013	85.54	36.88	ND	ND	48.66	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	ND(250)	
	9/18/2013	85.54	36.56	ND	ND	48.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/12/2013	85.54	36.83	ND	ND	48.71	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	85.54	36.36	ND	ND	49.18	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	85.54	36.24	ND	ND	49.30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	85.54	36.51	ND	ND	49.03	1	ND(1)	ND(1)	ND(1)	180	520	9	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	*
	10/15/2014	85.54	36.51	ND	ND	49.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	NA	
	12/8/2014	85.54	36.85	ND	ND	48.69	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	85.54	36.98	ND	ND	48.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	430	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-14	4/5/2013	65.09	31.03	ND	ND	34.06	ND(5)	ND(5)	ND(5)	ND(5)	15	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.099)	ND(0.050)	ND(250)	
	6/21/2013	65.09	30.59	ND	ND	34.50	ND(5)	ND(5)	ND(5)	ND(5)	12	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.12	ND(0.050)	ND(250)	
	9/18/2013	65.09	30.31	ND	ND	34.78	ND(5)	ND(5)	ND(5)	ND(5)	16	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)	
	12/12/2013	65.09	30.62	ND	ND	34.47	ND(5)	ND(5)	ND(5)	ND(5)	14	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	65.09	29.82	ND	ND	35.27	ND(5)	ND(5)	ND(5)	ND(5)	16	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	65.09	29.91	ND	ND	35.18	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	65.09	30.65	ND	ND	34.44	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/8/2014	65.09	32.44	ND	ND	32.65	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	65.09	30.27	ND	ND	34.82	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
 Southside Facility #20025  
 31 Heather Lane  
 Perryville, Maryland  
 August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
TF-1	3/30/2006	NSVD	4.77	ND	ND	NSVD	106	121	ND(10)	ND(10)	6900	1120	150	58.1	41.6 J	ND(50)	0.304	6.92	NA	
	8/16/2006	NSVD	1.75	ND	ND	NSVD	323	222	10.8	33.8	10400	30300	66.3	64.7	26.6	ND(50)	3.09	8.98	NA	
	2/28/2007	NSVD	2.28	ND	ND	NSVD	149	20.0	845	990	3240	18400	ND(25)	ND(25)	34.8	191	6.82	19.8	NA	
	6/7/2007	NSVD	2.71	ND	ND	NSVD	92.2	3.6	65.9	3.6	151	1410	9.0	ND(5.0)	27.2	ND(5.0)	1.84	2.04	NA	
	10/2/2007	NSVD	3.16	ND	ND	NSVD	137	1.8	92.4	4.3	145	8080	ND(5.0)	12.6	29.2	7.2	1.03	1.80	NA	
	3/27/2008	NSVD	2.47	ND	ND	NSVD	10.3	ND(1.0)	1.6	0.56	10.1	688	ND(5.0)	1.2	1.4	ND(5.0)	0.545	0.619	NA	
	9/24/2008	NSVD	2.91	ND	ND	NSVD	14.5	0.65	4.1	9.3	8.9	294	ND(5.0)	0.54	1.3	10.1	1.06	2.17	NA	
	3/23/2009	NSVD	2.85	ND	ND	NSVD	45.7	140	62.8	197	11.5	292	3.9	3.3	9.9	5.4	0.895	2.15	NA	
	9/5/2009	NSVD	2.65	ND	ND	NSVD	0.73	ND(1.0)	ND(1.0)	0.34	12.1	181	2.0	2.2	10.2	ND(5.0)	0.474	0.298	NA	
	1/26/2010	NSVD	2.52	ND	ND	NSVD	1.1	ND(1.0)	ND(1.0)	0.35	1.9	9.7	ND(5.0)	ND(5.0)	0.53	ND(5.0)	0.220	0.393	NA	
	10/7/2010	NSVD	2.88	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.69	ND(0.05)	NA	
	4/14/2011	NSVD	2.07	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.3	0.53	NA	
	9/10/2011	NSVD	1.86	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.2	0.081	NA	
	12/8/2011	NSVD	2.01	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.85	0.13	NA	
	3/27/2012	NSVD	2.81	ND	ND	NSVD	18	22	9	11	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.76	0.15	NA	
	6/11/2012	NSVD	2.55	ND	ND	NSVD	9	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	8.6	0.41	NA	
	8/29/2012	NSVD	2.65	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.50	0.051	NA	
	11/17/2012	NSVD	2.55	ND	ND	NSVD	6	6	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.28	0.16	ND(250)	
	4/5/2013	NSVD	2.25	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.65	ND(0.050)	ND(250)	
	6/21/2013	NSVD	1.97	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.39	ND(0.050)	ND(250)	
	9/18/2013	NSVD	2.90	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.38	ND(0.050)	ND(250)	
	12/12/2013	NSVD	1.96	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.12	0.071	ND(250)	
	3/20/2014	NSVD	2.51	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	NSVD	2.40	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.24	ND(0.050)	ND(250)	
	9/22/2014	NSVD	2.65	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	140	380	7	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	NSVD	2.04	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	NSVD	2.25	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**  
 Southside Facility #20025  
 31 Heather Lane  
 Perryville, Maryland  
 August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
TF-2	3/30/2006	NSVD	3.63	ND	ND	NSVD	46.2	ND(1.0)	ND(1.0)	ND(1.0)	10.1	3120	2.5 J	1.0 J	41.3	ND(5.0)	1.18	0.392	NA
	8/16/2006	NSVD	2.40	ND	ND	NSVD	207	909	708	3210	28900	5660	146	44.1	ND(130)	168	3.15	28.6	NA
	2/28/2007	NSVD	1.14	ND	ND	NSVD	220	12.0	619	2120	753	29000	10.7	51.5	20.7	135	3.43	16.7	NA
	6/7/2007	NSVD	1.55	ND	ND	NSVD	194	ND(10)	717	1130	249	21600	ND(50)	37.4	50.9	175	4.49	13.5	NA
	10/2/2007	NSVD	1.99	ND	ND	NSVD	165	2.6	641	655	29.1	21900	ND(25)	29.0	25.6	192	2.69	8.67	NA
	3/27/2008	NSVD	0.31	ND	ND	NSVD	75.5	1.8	218	334	40.4	4720	ND(5.0)	9.1	14.0	100	2.66	6.48	NA
	9/24/2008	NSVD	1.57	ND	ND	NSVD	48.9	7.4	73.1	222	18.1	541	ND(5.0)	1.6	8.0	87.6	1.34	4.89	NA
	3/23/2009	NSVD	1.45	ND	ND	NSVD	144	169	27.8	113	22.2	417	ND(5.0)	6.2	18.6	59.4	1.37	3.90	NA
	9/5/2009	NSVD	1.37	ND	ND	NSVD	173	12.2	3.5	13.0	19.2	594	ND(5.0)	6.3	20.1	60.5	1.21	2.35	NA
	1/26/2010	NSVD	1.16	ND	ND	NSVD	28.2	0.59	0.63	2.7	9.1	135	1.5	1.1	4.1	21.0	0.880	2.01	NA
	10/7/2010	NSVD	1.70	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.95	ND(0.05)	NA
	4/14/2011	NSVD	0.88	ND	ND	NSVD	6	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.3	0.47	NA
	9/10/2011	NSVD	0.32	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.3	0.56	NA
	12/8/2011	NSVD	0.70	ND	ND	NSVD	5	ND(5)	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.5	0.59	NA
	3/27/2012	NSVD	1.54	ND	ND	NSVD	8	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.5	0.58	NA
	6/11/2012	NSVD	1.33	ND	ND	NSVD	15	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.2	0.57	NA
	8/29/2012	NSVD	1.40	ND	ND	NSVD	16	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.8	0.56	NA
	11/17/2012	NSVD	1.30	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.52	0.36	ND(250)
	4/5/2013	NSVD	1.00	ND	ND	NSVD	6	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.2	0.31	ND(250)
	6/21/2013	NSVD	0.71	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.60	0.17	ND(250)
	9/18/2013	NSVD	1.35	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	9	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.1	0.38	ND(250)
	12/12/2013	NSVD	0.68	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.33	0.24	ND(250)
	3/20/2014	NSVD	1.02	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/30/2014	NSVD	1.08	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.53	0.22	ND(250)
	9/22/2014	NSVD	1.43	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	150	410	7	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	NSVD	0.70	ND	ND	NSVD	2	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.39	NA	ND(250)
	3/24/2015	NSVD	1.11	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
TF-3	3/30/2006	NSVD	4.84	ND	ND	NSVD	14.3	0.81 J	0.61 J	8.9	173	2110	9.5	2.6 J	14.6	ND(5.0)	2.44	0.652	NA	
	8/16/2006	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/28/2007	NSVD	0.92	ND	ND	NSVD	257	19.8	568	1820	778	27700	ND(25)	ND(25)	8.4 J	98.8	9.42	11.8	NA	
	6/7/2007	NSVD	0.42	ND	ND	NSVD	173	13.8	444	794	423	23600	ND(13)	34.1	7.5	110	4.82	6.15	NA	
	10/2/2007	NSVD	1.51	ND	ND	NSVD	97.9	3.6	48.0	157	17.5	12400	ND(5.0)	14.0	4.9 J	157	2.71	2.77	NA	
	3/27/2008	NSVD	0.27	ND	ND	NSVD	41.1	6.7	9.3	254	60.1	3270	ND(5.0)	5.4	3.6	89.2	30.7	1.65	NA	
	9/24/2008	NSVD	0.96	ND	ND	NSVD	23.4	2.0	1.2	17.7	12.2	1040	ND(5.0)	1.7	4.0	88.6	1.56	0.727	NA	
	3/23/2009	NSVD	0.77	ND	ND	NSVD	48.7	25.5	7.2	42.1	21.7	547	3.2 J	2.8 J	7.4	53.7	21.3	0.994	NA	
	9/5/2009	NSVD	1.00	ND	ND	NSVD	106	16.3	1.5	24.9	33.0	647	3.3	5.1	16.7	62.5	3.11	1.25	NA	
	1/26/2010	NSVD	0.40	ND	ND	NSVD	23.5	2.7	2.3	9.0	12.4	161	1.1 J	0.62 J	2.1 J	22.3	0.869	1.55	NA	
	10/7/2010	NSVD	1.04	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.1	ND(0.05)	NA	
	4/14/2011	NSVD	0.67	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.7	0.46	NA	
	9/10/2011	NSVD	0.02	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	14	0.059	NA	
	12/8/2011	NSVD	0.80	ND	ND	NSVD	21	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	4.6	0.20	NA	
	3/27/2012	NSVD	0.98	ND	ND	NSVD	ND(50)	ND(50)	ND(50)	86	ND(50)	ND(800)	ND(50)	ND(50)	ND(50)	ND(50)	12	1.3	NA	
	6/11/2012	NSVD	1.17	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.59	ND(0.050)	NA	
	8/29/2012	NSVD	0.95	ND	ND	NSVD	16	6	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	3.0	0.23	NA	
	11/17/2012	NSVD	0.63	ND	ND	NSVD	11	ND(5)	ND(5)	7	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	29	0.29	ND(250)	
	4/5/2013	NSVD	0.90	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	30	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	18	0.32	650	
	6/21/2013	NSVD	0.26	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	36	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	35	0.29	ND(250)	
	9/18/2013	NSVD	0.40	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	3.4	0.30	ND(250)	
	12/12/2013	NSVD	0.92	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.5	0.28	ND(250)	
	3/20/2014	NSVD	0.11	ND	ND	NSVD	ND(5)	8	ND(5)	13	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	16	0.20	520	
	4/18/2014	NSVD	0.99	ND	ND	NSVD	9	16	12	39	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	ND(250)	
	6/30/2014	NSVD	0.90	ND	ND	NSVD	8	3	1	11	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	2.3	0.19	ND(250)	
	9/22/2014	NSVD	1.39	ND	ND	NSVD	6	3	ND(1)	2	6	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.2	NA	ND(250)	*
	12/8/2014	NSVD	0.89	ND	ND	NSVD	1	ND(1)	ND(1)	2	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	14	NA	ND(250)	
	3/24/2015	NM	NM	NM	NM	NM	10	5	ND(1)	6	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.3	NA	ND(250)	

**Table 1 (Continued)**  
**Groundwater Monitoring & Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through March 24, 2015

**Notes:**

\* - The results of samples collected from BR-1, MW-12, MW-13, TF-1, and TF-2 on 9/22/2004 are not representative of site conditions. Inadequate decontamination of equipment is suspected during that sampling event. The monitoring wells were resampled 10/15/14.

µg/L - micrograms per liter (µg/L)

GW - Groundwater

J - Indicates an estimated value

mg/L - milligram per liter (mg/L)

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

**Table 2****Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through March 24, 2015

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
803 Perryville Road	8/29/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1812 Perryville Rd	8/29/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1825 Perryville Rd	10/5/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1825 Perryville PI	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/27/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	18	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	18	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	18	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	15	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	13	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	15	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/12/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	12	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	11	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	10	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1825 Perryville PM	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/27/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/12/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

**Table 2 (Continued)****Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through March 24, 2015

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
1825 Perryville PE	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/27/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/12/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1836 Perryville Rd	4/14/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.8	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.3	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/28/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.2	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.4	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.8	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/14/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/20/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.6	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/21/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/29/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.3	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/12/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/20/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	3.9	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.9	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/22/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	4.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.2	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

**Table 2 (Continued)****Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through March 24, 2015

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
7 Patterson Ave	4/14/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

**Table 2 (Continued)****Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through March 24, 2015

**Notes:**

µg/L - micrograms per liter (µg/L)

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

ETBE - Ethyl Tertiary Butyl Ether

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NS - Not sampled

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

## APPENDIX A

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### Lancaster Laboratories Analysis Report – Monitoring Wells (March 24, 2015)

**ANALYTICAL RESULTS**

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

April 09, 2015

**Project: Southside Oil 20025**

Submittal Date: 03/25/2015  
Group Number: 1548159  
PO Number: 51141-305139  
State of Sample Origin: MD

Client Sample Description

MW-2 Grab Water

MW-4 Grab Water

MW-5 Grab Water

MW-6 Grab Water

BR-1 Grab Water

MW-10D Grab Water

MW-12 Grab Water

MW-13 Grab Water

MW-14 Grab Water

TF-1 Grab Water

TF-2 Grab Water

TF-3 Grab Water

Lancaster Labs (LL) #

7820490

7820491

7820492

7820493

7820494

7820495

7820496

7820497

7820498

7820499

7820500

7820501

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC	Kleinfelder	Attn: Mark Steele
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Venelda Williams
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Jennifer Kozak
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Paxton Wertz
COPY TO		



Lancaster Laboratories  
Environmental

## ***Analysis Report***

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Respectfully Submitted,

Amek Carter  
Specialist

(717) 556-7252

**Sample Description:** MW-2 Grab Water  
Southside Oil 20025**LL Sample #** WW 7820490  
**LL Group #** 1548159  
**Account #** 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 10:50 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO201

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>9</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1



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**Sample Description:** MW-2 Grab Water  
Southside Oil 20025LL Sample # WW 7820490  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 10:50 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO201

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	0.72	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 01:49	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 01:49	Kevin A Sposito	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 17:43	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

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**Sample Description:** MW-4 Grab Water  
Southside Oil 20025

LL Sample # WW 7820491  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 11:20 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO202

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	10	1	1
10335	Benzene	71-43-2	10	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	690	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	3	1	1
10335	di-Isopropyl ether	108-20-3	4	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	250	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



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**Sample Description:** MW-4 Grab Water  
Southside Oil 20025LL Sample # WW 7820491  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 11:20 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO202

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	5	1	1
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	0.15	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 02:12	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 02:12	Kevin A Sposito	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 18:06	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** MW-5 Grab Water  
Southside Oil 20025

LL Sample # WW 7820492  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 11:40 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO203

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>9</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1



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**Sample Description:** MW-5 Grab Water  
Southside Oil 20025LL Sample # WW 7820492  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 11:40 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO203

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 02:36	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 02:36	Kevin A Sposito	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 18:29	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** MW-6 Grab Water  
Southside Oil 20025

LL Sample # WW 7820493  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 13:00 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO204

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	<b>19</b>	1	1
10335	Benzene	71-43-2	<b>3</b>	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	<b>810</b>	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	<b>3</b>	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	<b>300</b>	10	10
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

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**Sample Description:** MW-6 Grab Water  
Southside Oil 20025

LL Sample # WW 7820493  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 13:00 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO204

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

#### General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 02:59	Kevin A Sposito	1
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150912AA	04/02/2015 02:42	Christopher G Torres	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 02:59	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W150912AA	04/02/2015 02:42	Christopher G Torres	10
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 18:52	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** BR-1 Grab Water  
Southside Oil 20025

LL Sample # WW 7820494  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 10:30 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO205

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** BR-1 Grab Water  
Southside Oil 20025LL Sample # WW 7820494  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 10:30 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO205

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 03:22	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 03:22	Kevin A Sposito	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 19:15	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

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**Sample Description:** MW-10D Grab Water  
Southside Oil 20025

LL Sample # WW 7820495  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 13:20 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO206

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** MW-10D Grab Water  
Southside Oil 20025LL Sample # WW 7820495  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 13:20 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO206

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 03:45	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 03:45	Kevin A Sposito	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 19:38	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** MW-12 Grab Water  
Southside Oil 20025

LL Sample # WW 7820496  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 09:30 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO207

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>4</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

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**Sample Description:** MW-12 Grab Water  
Southside Oil 20025

LL Sample # WW 7820496  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 09:30 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO207

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CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

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#### General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150903AA	04/01/2015 04:09	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150903AA	04/01/2015 04:09	Kevin A Sposito	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 20:01	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

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**Sample Description:** MW-13 Grab Water  
Southside Oil 20025

LL Sample # WW 7820497  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 09:50 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO208

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	430	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** MW-13 Grab Water  
Southside Oil 20025LL Sample # WW 7820497  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 09:50 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO208

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150911AA	04/01/2015 14:55	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150911AA	04/01/2015 14:55	Linda C Pape	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 20:24	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** MW-14 Grab Water  
Southside Oil 20025

LL Sample # WW 7820498  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 08:50 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO209

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>9</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

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**Sample Description:** MW-14 Grab Water  
Southside Oil 20025

LL Sample # WW 7820498  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 08:50 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO209

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CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

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#### General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150911AA	04/01/2015 15:18	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150911AA	04/01/2015 15:18	Linda C Pape	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 20:47	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** TF-1 Grab Water  
Southside Oil 20025

LL Sample # WW 7820499  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 12:20 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO210

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1



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**Sample Description:** TF-1 Grab Water  
Southside Oil 20025LL Sample # WW 7820499  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 12:20 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO210

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150911AA	04/01/2015 15:42	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150911AA	04/01/2015 15:42	Linda C Pape	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 21:10	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

**Sample Description:** TF-2 Grab Water  
Southside Oil 20025

LL Sample # WW 7820500  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 12:40 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO211

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>2</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1



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**Sample Description:** TF-2 Grab Water  
Southside Oil 20025LL Sample # WW 7820500  
LL Group # 1548159  
Account # 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 12:40 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO211

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

**General Sample Comments**

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Laboratory Sample Analysis Record**

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150911AA	04/01/2015 16:05	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150911AA	04/01/2015 16:05	Linda C Pape	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 21:33	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

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**Sample Description:** TF-3 Grab Water  
Southside Oil 20025

LL Sample # WW 7820501  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 12:00 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO212

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	<b>Benzene</b>	71-43-2	<b>10</b>	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>2</b>	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	<b>Toluene</b>	108-88-3	<b>5</b>	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** TF-3 Grab Water  
Southside Oil 20025

LL Sample # WW 7820501  
LL Group # 1548159  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 12:00 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 04/09/2015 19:20

SO212

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CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	6	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	1.3	0.10	1

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#### General Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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#### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	W150911AA	04/01/2015 16:29	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W150911AA	04/01/2015 16:29	Linda C Pape	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	150930002A	04/06/2015 21:56	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	150930002A	04/03/2015 13:00	Wanda F Oswald	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 04/09/2015 19:20

Group Number: 1548159

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD RPD	RPD Max
Batch number: W150903AA			Sample number(s): 7820490-7820496					
Acetone	< 20	20.	ug/l	93	96	55-129	3	30
Acrolein	< 100	100.	ug/l	98	103	60-120	4	30
Acrylonitrile	< 20	20.	ug/l	110	111	55-127	1	30
t-Amyl methyl ether	< 1	1.	ug/l	101	105	75-120	5	30
Benzene	< 1	1.	ug/l	105	106	78-120	0	30
Bromodichloromethane	< 1	1.	ug/l	106	108	73-120	2	30
Bromoform	< 4	4.	ug/l	103	102	52-123	1	30
Bromomethane	< 1	1.	ug/l	97	97	53-130	0	30
2-Butanone	< 10	10.	ug/l	120	124	54-133	3	30
t-Butyl alcohol	< 20	20.	ug/l	104	104	78-121	1	30
n-Butylbenzene	< 5	5.	ug/l	102	102	68-120	0	30
sec-Butylbenzene	< 5	5.	ug/l	103	102	75-120	1	30
Carbon Tetrachloride	< 1	1.	ug/l	112	113	74-130	1	30
Chlorobenzene	< 1	1.	ug/l	107	107	80-120	0	30
Chloroethane	< 1	1.	ug/l	95	96	56-120	0	30
2-Chloroethyl Vinyl Ether	< 10	10.	ug/l	105	110	44-143	5	30
Chloroform	< 1	1.	ug/l	111	110	80-120	0	30
Chloromethane	< 1	1.	ug/l	102	97	63-120	5	30
Dibromochloromethane	< 1	1.	ug/l	109	109	72-120	0	30
1,2-Dichlorobenzene	< 5	5.	ug/l	102	103	80-120	1	30
1,3-Dichlorobenzene	< 5	5.	ug/l	102	102	80-120	0	30
1,4-Dichlorobenzene	< 5	5.	ug/l	103	103	80-120	0	30
1,1-Dichloroethane	< 1	1.	ug/l	105	105	80-120	0	30
1,2-Dichloroethane	< 1	1.	ug/l	120	121	72-127	2	30
1,1-Dichloroethene	< 1	1.	ug/l	103	103	76-124	1	30
cis-1,2-Dichloroethene	< 1	1.	ug/l	105	105	80-120	1	30
trans-1,2-Dichloroethene	< 1	1.	ug/l	106	102	80-120	4	30
1,2-Dichloropropane	< 1	1.	ug/l	104	108	80-120	4	30
cis-1,3-Dichloropropene	< 1	1.	ug/l	108	112	80-120	4	30
trans-1,3-Dichloropropene	< 1	1.	ug/l	113	114	76-120	1	30
Ethanol	< 250	250.	ug/l	90	119	49-144	28	30
Ethyl t-butyl ether	< 1	1.	ug/l	100	105	69-120	4	30
Ethylbenzene	< 1	1.	ug/l	107	107	80-120	0	30
di-Isopropyl ether	< 1	1.	ug/l	104	106	70-124	2	30
Isopropylbenzene	< 5	5.	ug/l	105	106	80-120	1	30
p-Isopropyltoluene	< 5	5.	ug/l	101	101	76-120	0	30
Methyl Tertiary Butyl Ether	< 1	1.	ug/l	108	109	75-120	1	30
Methylene Chloride	< 4	4.	ug/l	100	100	80-120	0	30
Naphthalene	< 5	5.	ug/l	106	97	59-120	9	30
n-Propylbenzene	< 5	5.	ug/l	105	106	80-120	1	30
1,1,2,2-Tetrachloroethane	< 1	1.	ug/l	100	102	70-120	2	30
Tetrachloroethene	< 1	1.	ug/l	109	107	80-120	2	30
Toluene	< 1	1.	ug/l	106	108	80-120	2	30

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 04/09/2015 19:20

Group Number: 1548159

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD RPD</u>	<u>RPD Max</u>
1,1,1-Trichloroethane	< 1	1.	ug/l	107	109	66-126	2	30
1,1,2-Trichloroethane	< 1	1.	ug/l	109	109	80-120	0	30
Trichloroethene	< 1	1.	ug/l	109	110	80-120	1	30
Trichlorofluoromethane	< 1	1.	ug/l	111	115	58-135	4	30
1,2,4-Trimethylbenzene	< 5	5.	ug/l	103	105	80-120	1	30
1,3,5-Trimethylbenzene	< 5	5.	ug/l	103	104	80-120	1	30
Vinyl Chloride	< 1	1.	ug/l	102	105	69-120	3	30
Xylene (Total)	< 1	1.	ug/l	108	109	80-120	0	30
Batch number: W150911AA			Sample number(s): 7820497-7820501					
Acetone	< 20	20.	ug/l	112		55-129		
Acrolein	< 100	100.	ug/l	117		60-120		
Acrylonitrile	< 20	20.	ug/l	118		55-127		
t-Amyl methyl ether	< 1	1.	ug/l	106		75-120		
Benzene	< 1	1.	ug/l	110		78-120		
Bromodichloromethane	< 1	1.	ug/l	114		73-120		
Bromoform	< 4	4.	ug/l	103		52-123		
Bromomethane	< 1	1.	ug/l	99		53-130		
2-Butanone	< 10	10.	ug/l	133		54-133		
t-Butyl alcohol	< 20	20.	ug/l	103		78-121		
n-Butylbenzene	< 5	5.	ug/l	108		68-120		
sec-Butylbenzene	< 5	5.	ug/l	107		75-120		
Carbon Tetrachloride	< 1	1.	ug/l	115		74-130		
Chlorobenzene	< 1	1.	ug/l	109		80-120		
Chloroethane	< 1	1.	ug/l	102		56-120		
2-Chloroethyl Vinyl Ether	< 10	10.	ug/l	114		44-143		
Chloroform	< 1	1.	ug/l	115		80-120		
Chloromethane	< 1	1.	ug/l	106		63-120		
Dibromochloromethane	< 1	1.	ug/l	114		72-120		
1,2-Dichlorobenzene	< 5	5.	ug/l	106		80-120		
1,3-Dichlorobenzene	< 5	5.	ug/l	105		80-120		
1,4-Dichlorobenzene	< 5	5.	ug/l	106		80-120		
1,1-Dichloroethane	< 1	1.	ug/l	110		80-120		
1,2-Dichloroethane	< 1	1.	ug/l	133*		72-127		
1,1-Dichloroethene	< 1	1.	ug/l	102		76-124		
cis-1,2-Dichloroethene	< 1	1.	ug/l	106		80-120		
trans-1,2-Dichloroethene	< 1	1.	ug/l	108		80-120		
1,2-Dichloropropane	< 1	1.	ug/l	111		80-120		
cis-1,3-Dichloropropene	< 1	1.	ug/l	115		80-120		
trans-1,3-Dichloropropene	< 1	1.	ug/l	120		76-120		
Ethanol	< 250	250.	ug/l	133		49-144		
Ethyl t-butyl ether	< 1	1.	ug/l	107		69-120		
Ethylbenzene	< 1	1.	ug/l	112		80-120		
di-Isopropyl ether	< 1	1.	ug/l	113		70-124		
Isopropylbenzene	< 5	5.	ug/l	109		80-120		
p-Isopropyltoluene	< 5	5.	ug/l	105		76-120		
Methyl Tertiary Butyl Ether	< 1	1.	ug/l	109		75-120		
Methylene Chloride	< 4	4.	ug/l	104		80-120		
Naphthalene	< 5	5.	ug/l	100		59-120		
n-Propylbenzene	< 5	5.	ug/l	112		80-120		
1,1,2,2-Tetrachloroethane	< 1	1.	ug/l	110		70-120		
Tetrachloroethene	< 1	1.	ug/l	109		80-120		
Toluene	< 1	1.	ug/l	110		80-120		
1,1,1-Trichloroethane	< 1	1.	ug/l	104		66-126		
1,1,2-Trichloroethane	< 1	1.	ug/l	113		80-120		
Trichloroethene	< 1	1.	ug/l	113		80-120		

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 04/09/2015 19:20

Group Number: 1548159

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Trichlorofluoromethane	< 1	1.	ug/l	119		58-135		
1,2,4-Trimethylbenzene	< 5	5.	ug/l	109		80-120		
1,3,5-Trimethylbenzene	< 5	5.	ug/l	109		80-120		
Vinyl Chloride	< 1	1.	ug/l	106		69-120		
Xylene (Total)	< 1	1.	ug/l	112		80-120		
Batch number: W150912AA			Sample number(s): 7820493					
Methyl Tertiary Butyl Ether	< 1	1.	ug/l	114	112	75-120	1	30
Batch number: 150930002A			Sample number(s): 7820490-7820501					
DRO C10-C28	< 0.10	0.10	mg/l	98	98	69-115	1	20

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: W150911AA			Sample number(s): 7820497-7820501 UNSPK: P818686					
Acetone	112	107	35-144	5	30			
Acrolein	119	109	39-136	9	30			
Acrylonitrile	116	115	51-125	1	30			
t-Amyl methyl ether	106	106	65-117	0	30			
Benzene	116	116	72-134	0	30			
Bromodichloromethane	118	115	73-125	2	30			
Bromoform	103	103	48-118	1	30			
Bromomethane	104	107	47-129	2	30			
2-Butanone	127	128	44-135	0	30			
t-Butyl alcohol	102	111	67-119	8	30			
n-Butylbenzene	117	119	74-134	2	30			
sec-Butylbenzene	117	118	74-137	1	30			
Carbon Tetrachloride	133	131	75-148	2	30			
Chlorobenzene	116	114	87-124	2	30			
Chloroethane	108	109	55-130	0	30			
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30			
Chloroform	124	121	81-134	3	30			
Chloromethane	115	116	61-125	1	30			
Dibromochloromethane	117*	116	74-116	1	30			
1,2-Dichlorobenzene	109	108	84-119	1	30			
1,3-Dichlorobenzene	108	109	86-121	2	30			
1,4-Dichlorobenzene	111	111	85-121	0	30			
1,1-Dichloroethane	118	118	84-129	0	30			
1,2-Dichloroethane	135	133	63-142	2	30			
1,1-Dichloroethene	116	115	79-137	2	30			
cis-1,2-Dichloroethene	116	112	80-141	4	30			
trans-1,2-Dichloroethene	115	115	86-131	0	30			
1,2-Dichloropropane	117	119	83-124	2	30			
cis-1,3-Dichloropropene	114	115	70-116	1	30			
trans-1,3-Dichloropropene	122*	122*	74-119	0	30			
Ethanol	135	140	53-146	4	30			
Ethyl t-butyl ether	107	107	74-122	1	30			
Ethylbenzene	119	118	71-134	1	30			

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.  
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 04/09/2015 19:20

Group Number: 1548159

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	MS <u>%REC</u>	MSD <u>%REC</u>	MS/MSD <u>Limits</u>	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
di-Isopropyl ether	116	116	70-129	0	30			
Isopropylbenzene	116	116	75-128	0	30			
p-Isopropyltoluene	113	113	76-123	0	30			
Methyl Tertiary Butyl Ether	112	112	72-126	0	30			
Methylene Chloride	110	110	78-133	0	30			
Naphthalene	98	100	52-125	2	30			
n-Propylbenzene	120	122	74-134	2	30			
1,1,2,2-Tetrachloroethane	112	110	72-128	2	30			
Tetrachloroethene	117	116	80-128	1	30			
Toluene	118	117	80-125	1	30			
1,1,1-Trichloroethane	118	115	69-140	3	30			
1,1,2-Trichloroethane	115	116	71-141	1	30			
Trichloroethene	122	122	88-133	0	30			
Trichlorofluoromethane	139	142	63-163	2	30			
1,2,4-Trimethylbenzene	117	116	72-130	1	30			
1,3,5-Trimethylbenzene	116	116	65-132	0	30			
Vinyl Chloride	118	122	66-133	3	30			
Xylene (Total)	119	117	79-125	1	30			

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOC 8260 Kleinfelder Full+EtOH

Batch number: W150903AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7820490	111	104	98	91
7820491	106	95	99	94
7820492	113	102	99	92
7820493	106	102	100	93
7820494	116	106	99	92
7820495	112	108	100	92
7820496	112	110	98	89
Blank	107	106	100	92
LCS	105	108	104	102
LCSD	102	100	103	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOC 8260 Kleinfelder Full+EtOH

Batch number: W150911AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7820497	110	105	101	95
7820498	108	103	101	94
7820499	109	103	100	95
7820500	109	105	100	94
7820501	109	101	102	98
Blank	108	102	101	95
LCS	104	99	104	104

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Kleinfelder  
Reported: 04/09/2015 19:20

Group Number: 1548159

**Surrogate Quality Control**

MS	106	97	104	106
MSD	104	100	104	105
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-DRO water C10-C28  
Batch number: 150930002A

Orthoterphenyl

7820490	44
7820491	112
7820492	113
7820493	112
7820494	114
7820495	109
7820496	113
7820497	106
7820498	112
7820499	114
7820500	105
7820501	113
Blank	117
LCS	115
LCSD	119
Limits:	42-160

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



## Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: \_\_\_\_\_ Sample #:

1548159 7820490-S61 (2)

Client: Southside Oil	Acct. #:				Matrix Potable NPDES	Analyses Requested			For Lab Use Only		
Project Name/#: 20025 - Perryville	PWSID #:					Preservation Codes			FSC: _____		
Project Manager: Mark C. Steele	P.O. #:	51141-305139				H	H	H	SCR#: _____		
Sampler: Tim Boswell	Quote #:								Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H <sub>2</sub> SO <sub>4</sub> O=Other		
Name of State where samples were collected: Maryland									Remarks		
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Temperature of samples upon receipt (if requested)	
MW-2	3/24/15	1050	X			X			5	<i>Colder</i>	
MW-4		1120	X			X			5		
MW-5		1140	X			X			5		
MW-6		1300	X			X			5		
<i>B2-1</i>		1030	X			X			5		
MW-10D		1320	X			X			5		
MW-12		0930	X			X			5		
MW-13		0950	X			X			5		
MW-14		0850	X			X			5		
TF-1		1220	X			X			5		
TF-2		1240	X			X			5		
TF-3		1200	X			X			5		
Turnaround Time Requested (TAT) (please circle):		Normal	Rush								
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)											
Date results are needed: _____											
Rush results requested by (please circle): Phone Fax E-mail											
Phone #:	Fax #:										
E-mail address: _____											
Data Package Options (please circle if required)		SDG Complete?									
Type I (validation/NJ reg)	TX-TRRP-13			Yes No							
Type II (Tier II)	MA MCP	CT RCP									
Type III (Reduced NJ)				State-specific QC (MS/MSD/Dup)? Yes No							
Type IV (CLP SOW)				(If yes, indicated QC sample and submit triplelicate volume)							
Type VI (Raw Data Only)				Internal COC required? Yes No							

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

LOF1

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## APPENDIX B

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**Lancaster Laboratories Analytical Reports –  
Potable Wells (March 24, 2015)**



Lancaster Laboratories  
Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

# Analysis Report

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

March 31, 2015

### Project: Southside Oil 20025

Submittal Date: 03/25/2015  
Group Number: 1548161  
PO Number: 51141-305139  
State of Sample Origin: MD

#### Client Sample Description

1836 Perryville Road Grab Water

#### Lancaster Labs (LL) #

7820505

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC	Kleinfelder	Attn: Mark Steele
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Venelda Williams
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Jennifer Kozak
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Paxton Wertz
COPY TO		



Lancaster Laboratories  
Environmental

## ***Analysis Report***

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • [www.LancasterLabs.com](http://www.LancasterLabs.com)

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** 1836 Perryville Road Grab Water  
Southside Oil 20025

LL Sample # PW 7820505  
LL Group # 1548161  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 09:10 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 03/31/2015 12:53

18361

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>5.2</b>	0.5	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



Lancaster Laboratories  
Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1836 Perryville Road Grab Water  
Southside Oil 20025

LL Sample # PW 7820505  
LL Group # 1548161  
Account # 12152

Project Name: Southside Oil 20025

Collected: 03/24/2015 09:10 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 03/31/2015 12:53

18361

---

## General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

---

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	EPA Method 524.2	EPA 524.2	1	S150851AA	03/26/2015 14:29	Jason M Long	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 03/31/2015 12:53

Group Number: 1548161

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S150851AA			Sample number(s): 7820505					
Acetone	< 5.0	5.0	ug/l	110		70-130		
Acrolein	< 50	50.	ug/l	99		70-130		
Acrylonitrile	< 10	10.	ug/l	105		70-130		
t-Amyl Methyl Ether	< 0.5	0.5	ug/l	96		70-130		
Benzene	< 0.5	0.5	ug/l	99		70-130		
Bromodichloromethane	< 0.5	0.5	ug/l	118		70-130		
Bromoform	< 0.5	0.5	ug/l	115		70-130		
Bromomethane	< 0.5	0.5	ug/l	107		70-130		
2-Butanone	< 5.0	5.0	ug/l	108		70-130		
t-Butyl Alcohol	< 25	25.	ug/l	101		70-130		
n-Butylbenzene	< 0.5	0.5	ug/l	102		70-130		
sec-Butylbenzene	< 0.5	0.5	ug/l	93		70-130		
tert-Butylbenzene	< 0.5	0.5	ug/l	93		70-130		
Carbon Tetrachloride	< 0.5	0.5	ug/l	116		70-130		
Chlorobenzene	< 0.5	0.5	ug/l	96		70-130		
Chloroethane	< 0.5	0.5	ug/l	92		70-130		
Chloroform	< 0.5	0.5	ug/l	113		70-130		
Chloromethane	< 0.5	0.5	ug/l	97		70-130		
Dibromochloromethane	< 0.5	0.5	ug/l	122		70-130		
1,2-Dichlorobenzene	< 0.5	0.5	ug/l	95		70-130		
1,3-Dichlorobenzene	< 0.5	0.5	ug/l	98		70-130		
1,4-Dichlorobenzene	< 0.5	0.5	ug/l	98		70-130		
1,1-Dichloroethane	< 0.5	0.5	ug/l	100		70-130		
1,2-Dichloroethane	< 0.5	0.5	ug/l	120		70-130		
1,1-Dichloroethene	< 0.5	0.5	ug/l	101		70-130		
cis-1,2-Dichloroethene	< 0.5	0.5	ug/l	101		70-130		
trans-1,2-Dichloroethene	< 0.5	0.5	ug/l	99		70-130		
1,2-Dichloropropane	< 0.5	0.5	ug/l	108		70-130		
cis-1,3-Dichloropropene	< 0.5	0.5	ug/l	111		70-130		
trans-1,3-Dichloropropene	< 0.5	0.5	ug/l	118		70-130		
Ethyl t-Butyl Ether	< 0.5	0.5	ug/l	96		70-130		
Ethylbenzene	< 0.5	0.5	ug/l	96		70-130		
di-Isopropyl Ether	< 0.5	0.5	ug/l	105		70-130		
Isopropylbenzene	< 0.5	0.5	ug/l	99		70-130		
p-Isopropyltoluene	< 0.5	0.5	ug/l	97		70-130		
Methyl Tertiary Butyl Ether	< 0.5	0.5	ug/l	102		70-130		
Methylene Chloride	< 0.5	0.5	ug/l	106		70-130		
Naphthalene	< 0.5	0.5	ug/l	80		70-130		
n-Propylbenzene	< 0.5	0.5	ug/l	100		70-130		
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/l	103		70-130		
Tetrachloroethene	< 0.5	0.5	ug/l	100		70-130		
Toluene	< 0.5	0.5	ug/l	105		70-130		
1,1,1-Trichloroethane	< 0.5	0.5	ug/l	107		70-130		

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**Client Name: Kleinfelder  
Reported: 03/31/2015 12:53

Group Number: 1548161

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2-Trichloroethane	< 0.5	0.5	ug/l	106		70-130		
Trichloroethene	< 0.5	0.5	ug/l	102		70-130		
Trichlorofluoromethane	< 0.5	0.5	ug/l	110		70-130		
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/l	100		70-130		
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/l	100		70-130		
Vinyl Chloride	< 0.5	0.5	ug/l	93		70-130		
Xylene (Total)	< 0.5	0.5	ug/l	100		70-130		

**Surrogate Quality Control**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EPA Method 524.2	
Batch number: S150851AA	
4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
7820505	87
Blank	90
LCS	89
Limits:	99
	101
	80-120
	80-120

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.  
(2) The unspiked result was more than four times the spike added.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #: 12152

Group #: \_\_\_\_\_ Sample #: \_\_\_\_\_

1548141 7820505

Client: Southside Oil	Acct. #:	Matrix			Analyses Requested			For Lab Use Only		
Project Name/#: 20025	PWSID #: 51141-305139				Preservation Codes			FSC: _____		
Project Manager: Mark C. Steele	P.O. #: 51141-305139							SCR#: _____		
Sampler: Tim Bousell	Quote #: _____									
Name of State where samples were collected: Maryland										
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks	
1836 Perryville Road	3/24/15	0910	X		X		X	4	2015	
<b>Turnaround Time Requested (TAT)</b> (please circle): Normal <input checked="" type="radio"/> Rush <input type="radio"/> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone _____ Fax _____ E-mail _____ Phone #: _____ Fax #: _____ E-mail address: _____										
Data Package Options (please circle if required)		SDG Complete?			Relinquished by:			Date	Time	
Type I (validation/NJ reg)	TX-TRRP-13		Yes <input type="radio"/> No <input checked="" type="radio"/>			<i>[Signature]</i>			3/24/15	1430
Type II (Tier II)	MA MCP	CT RCP				<i>[Signature]</i>			3/24/15	1430
Type III (Reduced NJ)	State-specific QC (MS/MSD/Dup)? Yes <input type="radio"/> No <input checked="" type="radio"/>			Relinquished by:			Date	Time		
Type IV (CLP SOW)	(If yes, indicated QC sample and submit triplelicate volume)			<i>[Signature]</i>			3/24/15	1430		
Type VI (Raw Data Only)	Internal COC required? Yes <input type="radio"/> No <input checked="" type="radio"/>			Relinquished by:			Date	Time		
										Temperature of samples upon receipt (if requested)

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

**ANALYTICAL RESULTS**

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Kleinfelder  
550 West C Street, Suite 1200  
San Diego CA 92101

March 31, 2015

**Project: Southside Oil 20025**

Submittal Date: 03/25/2015  
Group Number: 1548160  
PO Number: 51141-305139  
State of Sample Origin: MD

Client Sample Description

1825 Perryville Road PI Grab Water  
1825 Perryville Road PM Grab Water  
1825 Perryville Road PE Grab Water

Lancaster Labs (LL) #

7820502  
7820503  
7820504

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC	Kleinfelder	Attn: Mark Steele
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Venelda Williams
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Jennifer Kozak
COPY TO		
ELECTRONIC	Kleinfelder	Attn: Paxton Wertz
COPY TO		



Lancaster Laboratories  
Environmental

## ***Analysis Report***

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • [www.LancasterLabs.com](http://www.LancasterLabs.com)

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** 1825 Perryville Road PI Grab Water  
Southside Oil 20025

LL Sample # PW 7820502  
LL Group # 1548160  
Account # 12152

**Project Name:** Southside Oil 20025

Collected: 03/24/2015 08:16 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 03/31/2015 12:53

18251

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	<b>Methyl Tertiary Butyl Ether</b>	1634-04-4	<b>10</b>	0.5	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



Lancaster Laboratories  
Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PI Grab Water  
Southside Oil 20025

LL Sample # PW 7820502  
LL Group # 1548160  
Account # 12152

Project Name: Southside Oil 20025

Collected: 03/24/2015 08:16 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 03/31/2015 12:53

18251

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## General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	EPA Method 524.2	EPA 524.2	1	S150851AA	03/26/2015 13:07	Jason M Long	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** 1825 Perryville Road PM Grab Water  
Southside Oil 20025**LL Sample #** PW 7820503  
**LL Group #** 1548160  
**Account #** 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 08:13 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 03/31/2015 12:53

18252

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



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Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PM Grab Water  
Southside Oil 20025

LL Sample # PW 7820503  
LL Group # 1548160  
Account # 12152

Project Name: Southside Oil 20025

Collected: 03/24/2015 08:13 by TB

Kleinfelder

Submitted: 03/25/2015 16:15  
Reported: 03/31/2015 12:53

550 West C Street, Suite 1200  
San Diego CA 92101

18252

## General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	EPA Method 524.2	EPA 524.2	1	S150851AA	03/26/2015 13:35	Jason M Long	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

**Sample Description:** 1825 Perryville Road PE Grab Water  
Southside Oil 20025**LL Sample #** PW 7820504  
**LL Group #** 1548160  
**Account #** 12152**Project Name:** Southside Oil 20025

Collected: 03/24/2015 08:10 by TB

Kleinfelder

550 West C Street, Suite 1200  
San Diego CA 92101

Submitted: 03/25/2015 16:15

Reported: 03/31/2015 12:53

18253

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 0.5	0.5	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



Lancaster Laboratories  
Environmental

# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PE Grab Water  
Southside Oil 20025

LL Sample # PW 7820504  
LL Group # 1548160  
Account # 12152

Project Name: Southside Oil 20025

Collected: 03/24/2015 08:10 by TB

Kleinfelder

Submitted: 03/25/2015 16:15  
Reported: 03/31/2015 12:53

550 West C Street, Suite 1200  
San Diego CA 92101

18253

## General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	EPA Method 524.2	EPA 524.2	1	S150851AA	03/26/2015 14:02	Jason M Long	1

## Quality Control Summary

Client Name: Kleinfelder  
Reported: 03/31/2015 12:53

Group Number: 1548160

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S150851AA			Sample number(s): 7820502-7820504					
Acetone	< 5.0	5.0	ug/l	110		70-130		
Acrolein	< 50	50.	ug/l	99		70-130		
Acrylonitrile	< 10	10.	ug/l	105		70-130		
t-Amyl Methyl Ether	< 0.5	0.5	ug/l	96		70-130		
Benzene	< 0.5	0.5	ug/l	99		70-130		
Bromodichloromethane	< 0.5	0.5	ug/l	118		70-130		
Bromoform	< 0.5	0.5	ug/l	115		70-130		
Bromomethane	< 0.5	0.5	ug/l	107		70-130		
2-Butanone	< 5.0	5.0	ug/l	108		70-130		
t-Butyl Alcohol	< 25	25.	ug/l	101		70-130		
n-Butylbenzene	< 0.5	0.5	ug/l	102		70-130		
sec-Butylbenzene	< 0.5	0.5	ug/l	93		70-130		
tert-Butylbenzene	< 0.5	0.5	ug/l	93		70-130		
Carbon Tetrachloride	< 0.5	0.5	ug/l	116		70-130		
Chlorobenzene	< 0.5	0.5	ug/l	96		70-130		
Chloroethane	< 0.5	0.5	ug/l	92		70-130		
Chloroform	< 0.5	0.5	ug/l	113		70-130		
Chloromethane	< 0.5	0.5	ug/l	97		70-130		
Dibromochloromethane	< 0.5	0.5	ug/l	122		70-130		
1,2-Dichlorobenzene	< 0.5	0.5	ug/l	95		70-130		
1,3-Dichlorobenzene	< 0.5	0.5	ug/l	98		70-130		
1,4-Dichlorobenzene	< 0.5	0.5	ug/l	98		70-130		
1,1-Dichloroethane	< 0.5	0.5	ug/l	100		70-130		
1,2-Dichloroethane	< 0.5	0.5	ug/l	120		70-130		
1,1-Dichloroethene	< 0.5	0.5	ug/l	101		70-130		
cis-1,2-Dichloroethene	< 0.5	0.5	ug/l	101		70-130		
trans-1,2-Dichloroethene	< 0.5	0.5	ug/l	99		70-130		
1,2-Dichloropropane	< 0.5	0.5	ug/l	108		70-130		
cis-1,3-Dichloropropene	< 0.5	0.5	ug/l	111		70-130		
trans-1,3-Dichloropropene	< 0.5	0.5	ug/l	118		70-130		
Ethyl t-Butyl Ether	< 0.5	0.5	ug/l	96		70-130		
Ethylbenzene	< 0.5	0.5	ug/l	96		70-130		
di-Isopropyl Ether	< 0.5	0.5	ug/l	105		70-130		
Isopropylbenzene	< 0.5	0.5	ug/l	99		70-130		
p-Isopropyltoluene	< 0.5	0.5	ug/l	97		70-130		
Methyl Tertiary Butyl Ether	< 0.5	0.5	ug/l	102		70-130		
Methylene Chloride	< 0.5	0.5	ug/l	106		70-130		
Naphthalene	< 0.5	0.5	ug/l	80		70-130		
n-Propylbenzene	< 0.5	0.5	ug/l	100		70-130		
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/l	103		70-130		
Tetrachloroethene	< 0.5	0.5	ug/l	100		70-130		
Toluene	< 0.5	0.5	ug/l	105		70-130		
1,1,1-Trichloroethane	< 0.5	0.5	ug/l	107		70-130		

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**Client Name: Kleinfelder  
Reported: 03/31/2015 12:53

Group Number: 1548160

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,1,2-Trichloroethane	< 0.5	0.5	ug/l	106		70-130		
Trichloroethene	< 0.5	0.5	ug/l	102		70-130		
Trichlorofluoromethane	< 0.5	0.5	ug/l	110		70-130		
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/l	100		70-130		
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/l	100		70-130		
Vinyl Chloride	< 0.5	0.5	ug/l	93		70-130		
Xylene (Total)	< 0.5	0.5	ug/l	100		70-130		

**Surrogate Quality Control**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EPA Method 524.2

Batch number: S150851AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
7820502	87	90
7820503	89	89
7820504	88	92
Blank	89	90
LCS	99	101
Limits:	80-120	80-120

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.  
(2) The unspiked result was more than four times the spike added.



## **Analysis Request/Environmental Services Chain of Custody**

For Lancaster Laboratories use only Acct. #: 12152  
Group #: \_\_\_\_\_ Sample #: \_\_\_\_\_  
1548160    7820502-09

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425 Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<	less than		
>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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